

CLAIMS

1. Compressed mode configuration method in a mobile radio system, in which method a compressed mode configuration is defined by compressed mode parameters, said compressed mode parameters including a transmission gap length TGL and a transmission gap pattern length TGPL, said transmission gaps being defined in a first transmission time structure specific to a first system and being determined relative to a second transmission time structure specific to a second system, to enable measurements on the second system to be effected in the first system, in which method a compressed mode configuration is chosen from a set of reference compressed mode configurations, said compressed mode parameters are determined so that, for each reference configuration, if the TGPL is such that the transmission gaps occur periodically at fixed positions in said second structure, then TGL is made sufficiently large so that two transmission gaps to occur at two of said positions, the closest together, overlap, with an overlap length greater than the time necessary to effect a measurement.
2. Method according to claim 1, in which said compressed mode parameters are determined so that, otherwise, for each reference configuration, TGPL is chosen so that the transmission gaps do not occur periodically at fixed positions in said second structure, or otherwise a transmission gap pattern comprises a plurality of transmission gaps.
3. Method according to claim 1, in which the first system is of the UMTS type, the second system is of the GSM type, and TGL is chosen from the group comprising the values 11, 12, 13, 14.
4. Method according to claim 3, in which TGL preferably has the value 14.
5. Method according to claim 2, in which the first system is of the UMTS type, the second system is of the GSM type, and TGPL is chosen so that it is not a multiple of 6.
6. Method according to claim 5, in which TGPL is chosen from a group comprising the values 13, 14, 15, 16.
7. Method according to claim 6, in which for TGPL equal to 13, TGL is chosen from a group comprising the values 5, 7, 10, 14.
8. Method according to claim 6, in which for TGPL equal to 16, TGL is chosen from a group comprising the values 7, 10, 14.

9. Method according to claim 2, in which the first system is of the UMTS type, the second system is of the GSM type, and a transmission gap pattern comprises two transmission gaps.
10. Network equipment for mobile radio system comprising means for
5 implementing a compressed mode configuration method according to any of claims 1 to 9.
11. Terminal for mobile radio system comprising means for implementing a compressed mode configuration method according to any of claims 1 to 9.